

FIG. 1
PRIOR ART

<div> <div></div> <div></div> <div></div> </div>																															
File																															
<div> <div>general</div> <div>work</div> <div> <div>routine work</div> <div>project X</div> </div> <div>friend</div> <div> <div>junior high</div> <div>high school</div> <div>university</div> <div>hobby meeting</div> </div> <div>family</div> <div>jack</div> <div>kate</div> <div>computer</div> <div>hardware</div> <div>programming</div> <div>web</div> <div>(trash box)</div> <div>(all)</div> </div>	<table border="1"> <thead> <tr> <th>Content</th> <th>Date</th> <th>Who</th> <th>Subject</th> </tr> </thead> <tbody> <tr> <td>friend</td> <td>1/24/00 23:42</td> <td>Tokyo Taro</td> <td>about holiday tour</td> </tr> <tr> <td>high school</td> <td>1/25/00 00:03</td> <td>Osaka Jiro</td> <td>Re:OB meeting</td> </tr> <tr> <td>high school</td> <td>1/25/00 00:35</td> <td>Osaka Jiro</td> <td>Re:OB meeting</td> </tr> <tr> <td>high school</td> <td>1/25/00 23:47</td> <td>yokohama@kan</td> <td>It's been a long..</td> </tr> <tr> <td>university</td> <td>Wed 16:08</td> <td>kobe@hyogo.ne</td> <td>Congress report</td> </tr> <tr> <td>university</td> <td>Thu 13:42</td> <td>Chiba Sabro</td> <td>Notice of class..</td> </tr> </tbody> </table>	Content	Date	Who	Subject	friend	1/24/00 23:42	Tokyo Taro	about holiday tour	high school	1/25/00 00:03	Osaka Jiro	Re:OB meeting	high school	1/25/00 00:35	Osaka Jiro	Re:OB meeting	high school	1/25/00 23:47	yokohama@kan	It's been a long..	university	Wed 16:08	kobe@hyogo.ne	Congress report	university	Thu 13:42	Chiba Sabro	Notice of class..	<div> <div>Date:Thu,27 Jan 2000 13:42:20 +0900(JST)</div> <div>From:Chiba Sabro</div> <div>To:kunikazu@okada.ne.jp</div> <div>Subject:Notice of class reunion</div> </div> <div> <div>Hello, it's been a long time,</div> <div>:</div> <div>:</div> <div>:</div> </div>	
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FIG. 2

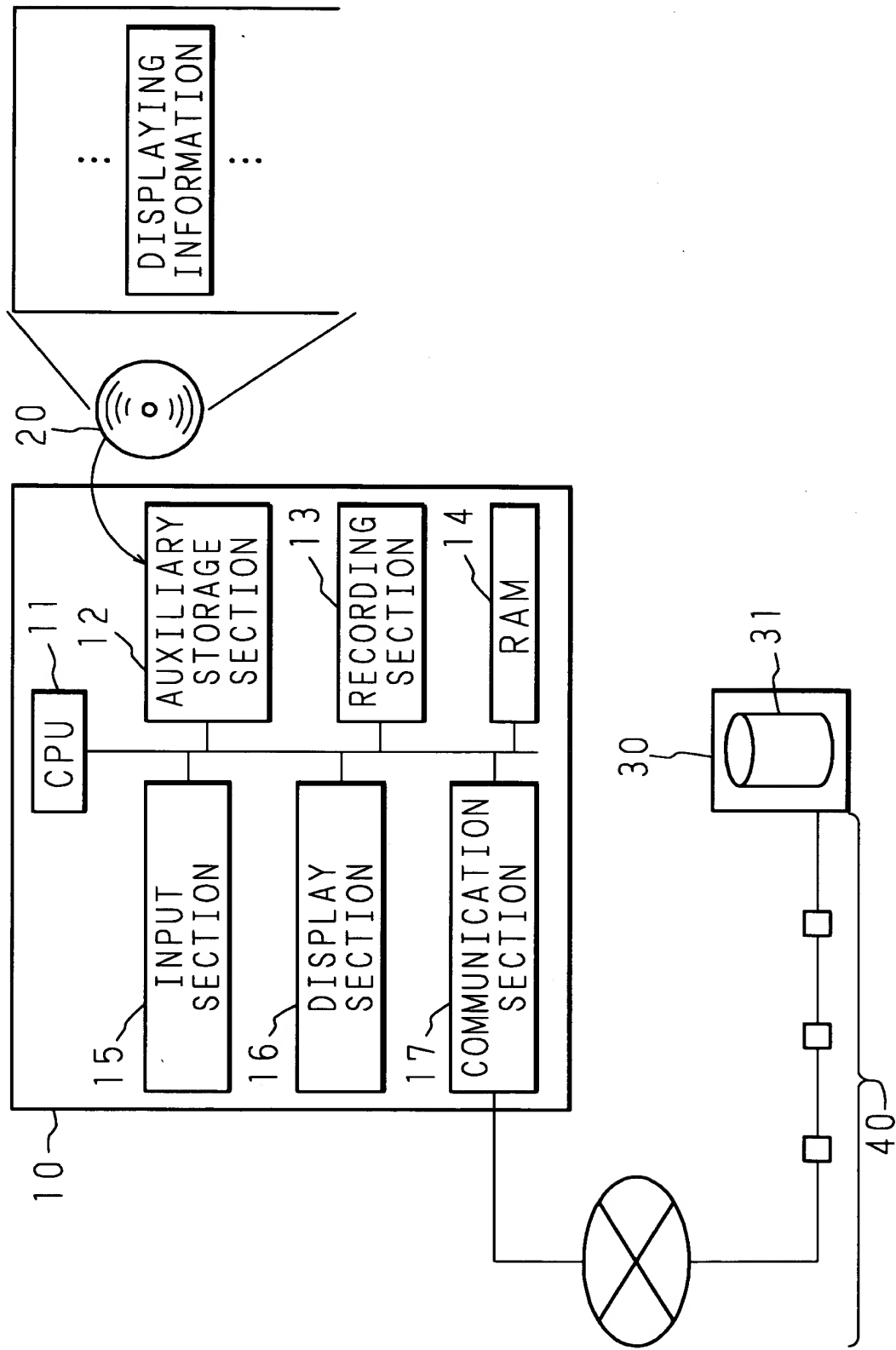


Figure 3: A table showing the relationship between ID Number, First Category Attribute, Second Category Attribute, and Subject.

FIG. 3

ID NUMBER	FIRST CATEGORY ATTRIBUTE (Category_X)	SECOND CATEGORY ATTRIBUTE (Category_Y)	SUBJECT
0	\work	\schedule	Work(3/17)
1	\work\routine work	\contact	Routine work message
2	\work\temporary work	\request	Request from Mr. Yamada
3	\work\temporary work	\request	Request from Mr. Aoki
4	\work\temporary work	\result	Work(3/16)
5	\work	\result	Work(3/15)
6	\hobby\gourmet	\knowledge\ranking	I found a nice restaurant!
7	\hobby\sports	\result	Game Result(3/13)

FIG. 4

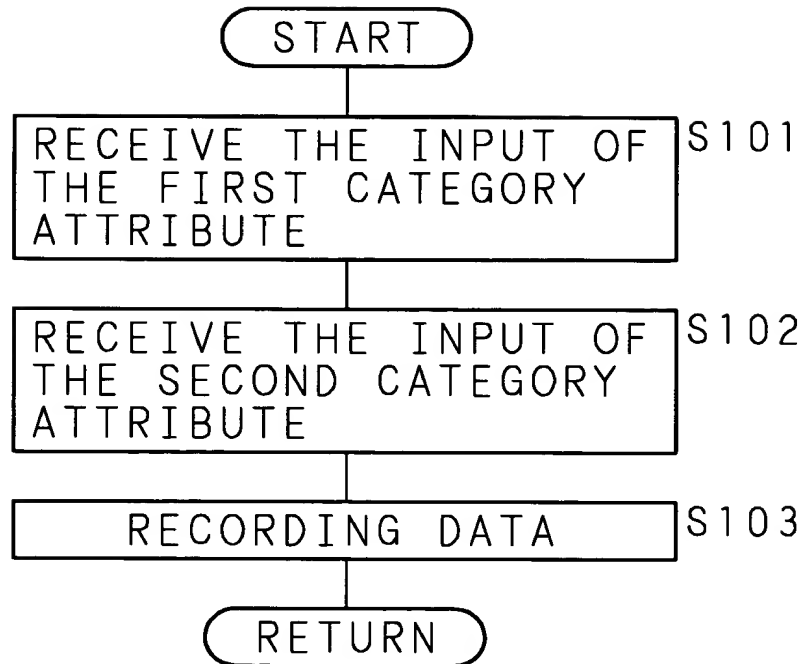


FIG. 5

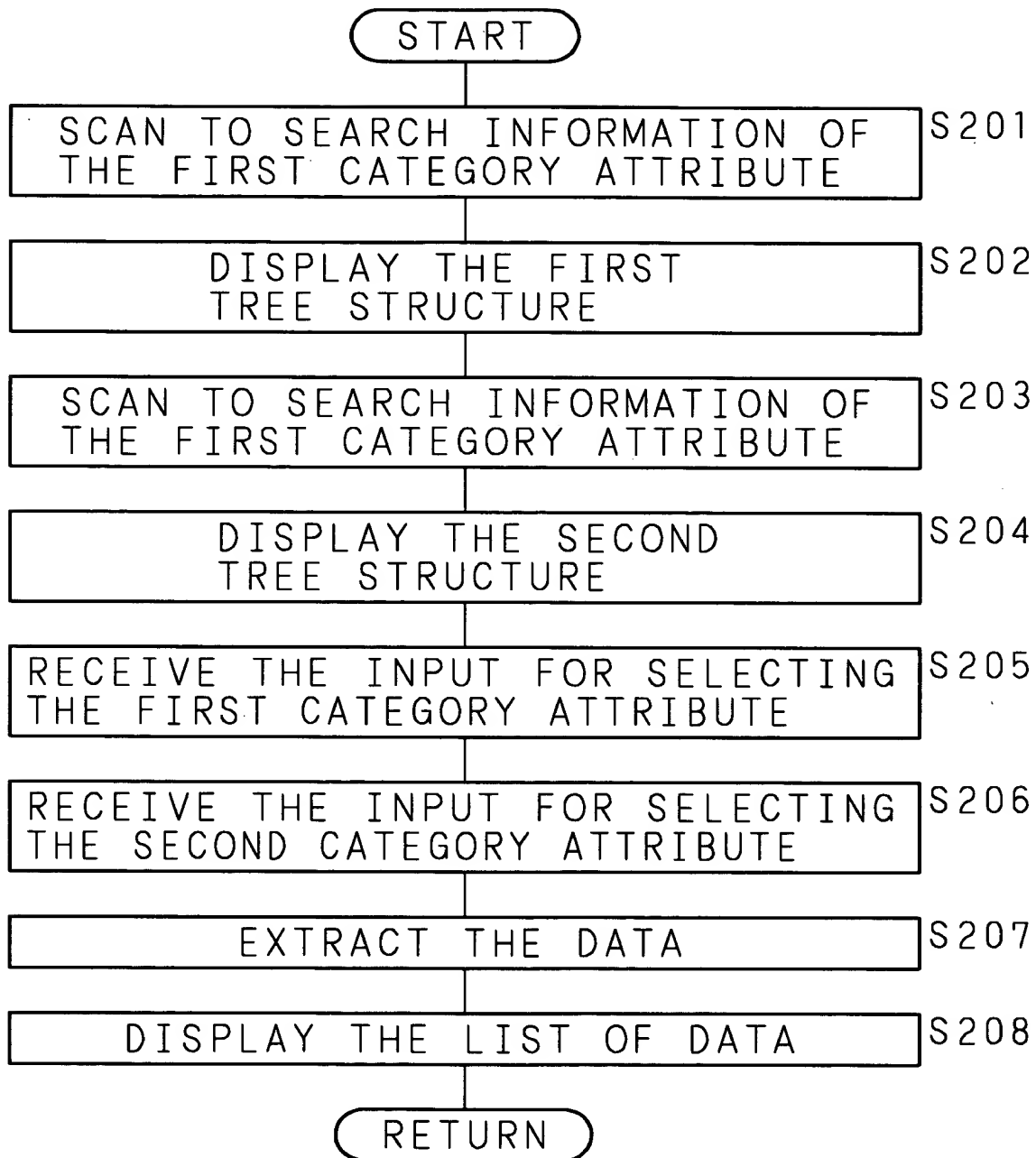


FIG. 6

